DAILY FIELD ACTIVITIES SUMMARY REPORT			
PROJECT NAME: R&H Oil/Tropicana Energy Site, San Antonio, Texas			
Date: 10/24/12	Shift Beginning: 08:00 hours		Shift Ending: 16:00
RAC II Contract No.: EP-W-06-004			Task Order No.: 0074
EPA Region 6 TOM: Chris Villarreal			Project Manager: Ted Telisak
Design Manager: N/A			Site Scientist: Duane Thomas
Design Engineer: N/A			Site Engineer: N/A
Personnel on site	**Name**	**Affiliation**	**Reason for being on site**
EA:	Duane Thomas	EA	Soil vapor/Sub Slab Vapor/Indoor Air/Ambient Air Investigation and Split Sampling
Subcontractors:	N/A		
Other:	Tim Nickles Patrick Ferrell	PBW PBW	Environmental Consultant Junior Engineer

Work Performed

Pastor, Behling & Wheeler, LLC (PBW) is the environmental consultant that is conducting the remedial investigation field activities. EA is providing oversight of field activities on behalf of EPA.

EA oversaw PBW as they continued their soil vapor/sub slab vapor intrusion sampling investigation. The day's activities began at soil gas point SG-2 1 on Fitch Street east of the site. The sample point is a permanent installation in the street. PBW set up the helium shroud for sub-seal leak testing, however, the Dielectric Helium detector would not function. After some recalibration attempts ,the unit would not function. Sampling proceeded without the leak test.

EA split the soil gas sample with PBW using PBW's inline sample train composed of ¼" stainless and brass compression fittings and stainless tubing. The sample system allowed both the EA and PBW to obtain the soil gas sample simultaneously by placing the sample canisters (Summa canisters) inline. The sample train also had a vacuum gauge so the vacuum in the train could be compared to the vacuum in both sample canisters. The sample train was tested for vacuum leaks by applying a vacuum to the system using a syringe and monitoring the sample train gauges for drops in vacuum. No vacuum leak was detected in the system. The sample system behaved in a consistent manor with very little difference in vacuum in either Summa cans or in the sample train. The sample volume was collected in approximately 56 minutes.

Sampling using the above system was repeated at SG-22. SG-22 is a permanent sample point installed in Milvid Avenue east of the site. SG-22 was repaired by PBW's drilling subcontractor Vortex the previous day. The sample tubing was discovered to be broken below the seal. The sample tubing was spliced and the seal was replaced above the splice. An additional layer of bentonite chips hydrated with water was placed around and inside the well casing to help seal any potential leaks from below ground. No helium leak testing was performed due to the malfunctioning helium detection meter. Suma canister split sampling was completed after approximately 26 minutes.

An ambient air sample (AA-SG-22) was taken by EA concurrently with the soil gas sample per EPA request. The canister was placed next to the soil gas sample point and opened.

After completion of the soil gas split sampling, sampling activities moved to the "old building" onsite for sub-slab sampling and indoor air sampling. Split sampling resumed at sub-slab sample point SS-2. Helium leak testing was not done at this location due to the malfunctioning helium detection meter. An indoor air sample was also taken concurrently by EA per EPA request. An additional hydrated bentonite seal was placed around the sample tubing above the slab for further leak prevention.

670914

DAILY FIELD ACTIVITIES SUMMARY REPORT
This concluded the split sampling and air sampling effort. 5 total Summa canister samples were collected with 1 canister unopened for a trip blank quality control sample. Summa canisters were driven back to Houston for processing and hand delivery to the EPA Region 6 lab in Houston on 25 October 2012. PBW deviated from the work plan by not leak testing each sample point with a helium shroud. PBW was prepared to do the leak testing, but was not able to due to a malfunctioning helium detection meter. The EPA Task Order Monitor was onsite and aware of the situation.
Anticipated Activities for the Following Day
None
Report prepared by (name and date)
Duane Thomas 10/24/12